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ATTACHMENT I

Figure of road damage :



Figure A 1 Alligator Cracking
(Source : Reseacher Data, 2022)



Figure A 2 Transversal Cracking
(Source : Reseacher Data, 2022)



Figure A 3 Potholes
(Source : Reseacher Data, 2022)



Figure A 4 Depression
(Source : Reseacher Data, 2022)



Figure A 5 Ravelling
(Source : Reseacher Data, 2022)



Figure A 6 Patching
(Source : Reseacher Data, 2022)



Figure A 7 Random Cracking
(Source : Reseacher Data, 2022)

ATTACHMENT II

Photos survey of road damage :



Figure A 8 Patholes Measurement Area
(Source : Reseacher Data, 2022)



Figure A 9 Measurement of Road Damage Length
(Source : Reseacher Data, 2022)



Figure A 10 Calculation Area of Crocodile Cracking
(Source : Reseacher Data, 2022)



Calculation of The Width of The Damage
(Source : Reseacher Data, 2022)



Figure A 11 Calculation Area of Damage
(Source : Reseacher Data, 2022)

ATTACHMENT III

LHR calculating data :

Table A 1 LHR for day-1

Time of Survey	SM	KR	BB	KBM	KB	Total
00 - 01	5	16	6	112	4	143
01 - 02	9	15	5	4	5	38
02 - 03	7	22	2	5	12	48
03 - 04	8	3	1	9	9	30
04 - 05	9	24	3	12	18	66
05 - 06	6	43	2	7	7	65
06 - 07	12	2	4	19	5	42
07 - 08	22	4	1	22	12	61
08 - 09	32	5	2	34	3	76
09 - 10	33	15	3	12	24	87
10 - 11	25	19	4	21	12	81
11 - 12	32	35	6	13	18	104
12 - 13	801	267	2	122	122	1314
13 - 14	756	261	13	152	152	1334
14 - 15	655	211	10	134	134	1144
15 - 16	660	171	10	147	147	1135
16 - 17	845	176	10	164	164	1359
17 - 18	728	161	19	184	184	1276
18 - 19	487	128	27	164	164	970
19 - 20	418	156	47	91	91	803
20 - 21	302	114	34	119	119	688
21 - 22	362	104	24	176	176	842
22 - 23	210	84	9	209	209	721
23 - 00	120	74	11	185	185	575

(Source : Reseacher Data, 2022)

Table A 2 LHR for day-2

Time of Survey	SM	KR	BB	KBM	KB	Total
00 - 01	109	52	13	60	101	335
01 - 02	81	50	5	53	100	289
02 - 03	70	36	7	38	79	230
03 - 04	64	37	10	28	43	182
04 - 05	169	39	9	49	51	317
05 - 06	430	91	12	43	88	664
06 - 07	599	188	11	34	93	925
07 - 08	621	254	15	64	83	1037
08 - 09	638	270	7	54	94	1063
09 - 10	718	316	9	60	89	1192
10 - 11	711	285	9	82	107	1194
11 - 12	900	271	16	88	127	1402
12 - 13	489	310	13	52	104	968
13 - 14	508	327	19	68	114	1036
14 - 15	656	427	18	72	100	1273
15 - 16	1017	505	22	88	92	1724
16 - 17	2100	514	30	51	102	2797
17 - 18	605	192	35	56	101	989
18 - 19	421	123	17	43	69	673
19 - 20	391	166	49	38	81	725
20 - 21	277	128	22	47	51	525
21 - 22	237	100	28	56	62	483
22 - 23	131	45	19	37	49	281
23 - 00	60	42	10	19	31	162

(Source : Reseacher Data, 2022)

Table A 3 LHR for day-3

Time of Survei	SM	KR	BB	KBM	KB
00 - 01	61	31	5	89	122
01 - 02	45	38	6	72	110
02 - 03	53	36	4	54	82
03 - 04	65	31	3	54	83
04 - 05	102	27	5	39	80
05 - 06	233	50	6	74	91
06 - 07	540	107	10	60	110
07 - 08	1437	266	16	58	108
08 - 09	798	226	4	95	128
09 - 10	752	256	6	68	71
10 - 11	716	265	12	100	86
11 - 12	747	282	10	91	104
12 - 13	764	258	4	86	138
13 - 14	941	280	8	123	131
14 - 15	835	256	4	127	150
15 - 16	876	211	8	116	168
16 - 17	839	165	9	132	180
17 - 18	940	170	8	134	179
18 - 19	513	110	19	105	198
19 - 20	466	99	17	89	183
20 - 21	449	67	9	99	190
21 - 22	301	76	5	150	276
22 - 23	212	63	10	168	289
23 - 00	134	39	8	95	212

(Source : Reseacher Data, 2022)

Table A 4 LHR for day-4

Time of Survey	SM	KR	BB	KBM	KB
00 - 01	68	23	1	42	21
01 - 02	54	34	8	81	48
02 - 03	52	35	3	66	40
03 - 04	60	38	6	47	30
04 - 05	165	39	4	56	26
05 - 06	382	74	3	75	38
06 - 07	987	216	6	42	40
07 - 08	1410	280	4	55	30
08 - 09	786	220	5	84	29
09 - 10	812	291	3	86	23
10 - 11	774	297	7	110	33
11 - 12	652	277	7	122	28
12 - 13	932	272	4	108	28
13 - 14	1045	320	9	103	27
14 - 15	1274	401	6	96	30
15 - 16	1325	440	6	108	37
16 - 17	2100	514	30	51	27
17 - 18	1159	260	37	29	0
18 - 19	546	153	18	13	0
19 - 20	441	148	29	61	14
20 - 21	323	96	21	102	39
21 - 22	237	100	28	56	19
22 - 23	160	74	15	49	9
23 - 00	78	56	7	75	21

(Source :Reseacher Dtaa, 2022)

Table A 5 LHR for day-5

Time of Survey	SM	KR	BB	KBM	TB	Total
00 - 01	78	24	4	16	13	135
01 - 02	40	38	6	20	43	147
02 - 03	54	34	6	43	46	183
03 - 04	69	28	7	37	33	174
04 - 05	140	42	5	40	45	272
05 - 06	411	73	4	35	47	570
06 - 07	1175	256	15	41	57	1544
07 - 08	1236	275	7	54	60	1632
08 - 09	822	263	8	78	102	1273
09 - 10	752	256	6	68	71	1153
10 - 11	716	265	12	100	86	1179
11 - 12	747	282	10	91	104	1234
12 - 13	681	222	13	82	108	1106
13 - 14	838	286	8	102	103	1337
14 - 15	1188	315	16	143	188	1850
15 - 16	1034	243	9	134	171	1591
16 - 17	924	200	15	165	163	1467
17 - 18	722	142	32	117	168	1181
18 - 19	513	110	19	105	198	945
19 - 20	466	99	17	89	183	854
20 - 21	449	67	9	99	190	814
21 - 22	293	110	10	87	156	656
22 - 23	192	102	14	131	138	577
23 - 00	136	83	14	138	181	552

(Source : Reseacher Data, 2022)